SEQUENCE LISTING

<130> 129.24USU1

<150> 60/157,902 <151> 1999-10-05

<160> 50

<170> FastSEQ for Windows Version 4.0

<210> 1 <211> 3136 <212> DNA

<213> Homo Sapiens

<220>
<221> CDS
<222> (133)...(1083)

<400> 1

cagagagget gtattteagt geageetgee agacetette tggaggaaga etggaeaaag ggggteaeae atteetteea taeggttgag eetetaeetg eetggtgetg gteaeagtte agettettea tg atg gtg gat eee aat gge aat gaa tee agt get aca tae Met Val Asp Pro Asn Gly Asn Glu Ser Ser Ala Thr Tyr

ttc atc cta ata ggc ctc cct ggt tta gaa gag gct cag ttc tgg ttg
Phe Ile Leu Ile Gly Leu Pro Gly Leu Glu Glu Ala Gln Phe Trp Leu
15 20 25

60

120

gcc ttc cca ttg tgc tcc ctc tac ctt att gct gtg cta ggt aac ttg
Ala Phe Pro Leu Cys Ser Leu Tyr Leu Ile Ala Val Leu Gly Asn Leu
30 35 40 45

aca atc atc tac att gtg cgg act gag cac agc ctg cat gag ccc atg

Thr Ile Ile Tyr Ile Val Arg Thr Glu His Ser Leu His Glu Pro Met

50

55

60

tat ata ttt ctt tgc atg ctt tca ggc att gac atc ctc atc tcc acc

Tyr Ile Phe Leu Cys Met Leu Ser Gly Ile Asp Ile Leu Ile Ser Thr

70

75

tca tcc atg ccc aaa atg ctg gcc atc ttc tgg ttc aat tcc act acc

Ser Ser Met Pro Lys Met Leu Ala Ile Phe Trp Phe Asn Ser Thr Thr

80

85

atc cag ttt gat gct tgt ctg cta cag att ttt gcc atc cac tcc tta 459
Ile Gln Phe Asp Ala Cys Leu Leu Gln Ile Phe Ala Ile His Ser Leu
95 100 105

tct Ser 110	ggc Gly	atg Met	gaa Glu	tcc Ser	aca Thr 115	gtg Val	ctg Leu	ctg Leu	gcc Ala	atg Met 120	gct Ala	ttt Phe	gac Asp	cgc Arg	tat Tyr 125	507
gtg Val	gcc Ala	atc Ile	tgt Cys	cac His 130	cca Pro	ctg Leu	cgc Arg	cat His	gcc Ala 135	aca Thr	gta Val	ctt Leu	acg Thr	ttg Leu 140	cct Pro	555
cgt Arg	gtc Val	acc Thr	aaa Lys 145	att Ile	ggt Gly	gtg Val	gct Ala	gct Ala 150	gtg Val	gtg Val	cgg Arg	Gly 999	gct Ala 155	gca Ala	ctg Leu	603
atg Met	gca Ala	ccc Pro 160	ctt Leu	cct Pro	gtc Val	ttc Phe	atc Ile 165	aag Lys	cag Gln	ctg Leu	ccc Pro	ttc Phe 170	tgc Cys	cgc Arg	tcc Ser	651
aat Asn	atc Ile 175	ctt Leu	tcc Ser	cat His	tcc Ser	tac Tyr 180	tgc Cys	cta Leu	cac His	caa Gln	gat Asp 185	gtc Val	atg Met	aag Lys	ctg Leu	699
gcc Ala 190	tgt Cys	gat Asp	gat Asp	atc Ile	cgg Arg 195	gtc Val	aat Asn	gtc Val	gtc Val	tat Tyr 200	ggc Gly	ctt Leu	atc Ile	gtc Val	atc Ile 205	747
atc Ile	tcc Ser	gcc Ala	att Ile	ggc Gly 210	ctg Leu	gac Asp	tca Ser	ctt Leu	ctc Leu 215	atc Ile	tcc Ser	ttc Phe	tca Ser	tat Tyr 220	ctg Leu	795
ctt Leu	att Ile	ctt Leu	aag Lys 225	act Thr	gtg Val	ttg Leu	ggc	ttg Leu 230	aca Thr	cgt Arg	gaa Glu	gcc Ala	cag Gln 235	gcc Ala	aag Lys	843
gca Ala	ttt Phe	ggc Gly 240	Thr	tgc Cys	gtc Val	tct Ser	cat His 245	Val	tgt Cys	gct Ala	gtg Val	Phe 250	Ile	ttc Phe	tat Tyr	891
gta Val	cct Pro 255	Phe	att Ile	gga Gly	ttg Leu	tcc Ser 260	Met	gtg Val	cat His	cgc Arg	ttt Phe 265	Ser	aag Lys	cgg Arg	cgt	939
gac Asp 270	Ser	ccg Pro	g ctg Leu	ccc Pro	gtc Val 275	Ile	ttg Leu	gcc Ala	aat Asn	ato Ile 280	: Туг	ctg Leu	ctg Leu	gtt Val	ect Pro 285	987
cct	gtg Val	cto Lev	aac 1 Asr	cca Pro 290	Ile	gto Val	tat Tyr	: gga	gtg Val	. Lys	aca Thi	aag Lys	gag Glu	att Ile 300	cga Arg	1035
cag Glr	g cgo	ato ; Ile	c ctt Leu 309	Arg	ctt Lev	tto Phe	cat His	gtg Val	. Ala	aca Thi	cac His	gct Ala	tca Ser 315	Glu	g ccc n Pro	1083
ttt ttc gat aac tcc ata	catto ctcas catto catto cacas cacas ccaas	tgg aata gcta ctac aatg gaat ccac	aaga tgaa cata gtaa ataa atta	acagt actgattaat gcagt catct ataaa ggate	tat to get to the control of the con	caga gggg taat aaat agaa gagat agaa	aaaaa cacco ctaaa catti caato aato	aa aa et co et ga ac to et ao ge to aa go	attto actag getto getto getto gegga	cetta jette gect gect aaaa tcaaa	a ata g tgg c gad c aag c tad a atg	aaaaa gttgg tggtt gcacg taact gactt	ata gagg ctac ggca ctcc ccta	caace gtte agce aage tctt cage	caatgtt ctcagat cctttgt attactt attctga gaaaata ccagaac agaagaa cgaaaaga	1143 1203 1263 1323 1383 1443 1503 1563 1623 1683

```
1743
ggaccctgtt tttcctattt aattttctta tcaacccttt aattaggcaa agatattatt
agtaccetca ttgtagecat gggaaaattg atgttcagtg gggatcagtg aattaaatgg
                                                                  1803
ggtcatacaa gtataaaaat taaaaaaaaa aaagacttca tgcccaatct catatgatgt
                                                                  1863
qqaaqaactg ttagagagac caacagggta gtgggttaga gatttccaga gtcttacatt
                                                                  1923
ttctagagga ggtatttaat ttcttctcac tcatccagtg ttgtatttag gaatttcctg
                                                                  1983
gcaacagaac tcatggcttt aatcccacta gctattgctt attgtcctgg tccaattgcc
                                                                  2043
aattacctgt gtcttggaag aagtgatttc taggttcacc attatggaag attcttattc
                                                                  2103
agaaagtctg catagggctt atagcaagtt atttattttt aaaagttcca taggtgattc
                                                                  2163
                                                                  2223
tgataggcag tgaggttagg gagccaccag ttatgatggg aagtatggaa tggcaggtct
tgaagataac attggccttt tgagtgtgac tcgtagctgg aaagtgaggg aatcttcagg
                                                                  2283
                                                                  2343
accatgottt atttggggot ttgtgcagta tggaacaggg actttgagac caggaaagca
atctgactta ggcatgggaa tcaggcattt ttgcttctga ggggctatta ccaagggtta
                                                                  2403
ataggtttca tcttcaacag gatatgacaa cagtgttaac caagaaactc aaattacaaa
                                                                  2463
tactaaaaca tgtgatcata tatgtggtaa gtttcatttt ctttttcaat cctcaggttc
                                                                  2523
cctgatatgg attcctataa catgctttca tccccttttg taatggatat catatttgga
                                                                  2583
                                                                  2643
aatgcctatt taatacttgt atttgctgct ggactgtaag cccatgaggg cactgtttat
                                                                  2703
tattgaatgt catctctgtt catcattgac tgctctttgc tcatcattga atcccccagc
                                                                  2763
aaagtgccta gaacataata gtgcttatgc ttgacaccgg ttatttttca tcaaacctga
ttccttctgt cctgaacaca tagccaggca attttccagc cttctttgag ttgggtatta
                                                                  2823
ttaaattctg gccattactt ccaatgtgag tggaagtgac atgtgcaatt tctatacctg
                                                                  2883
gctcataaaa ccctcccatg tgcagccttt catgttgaca ttaaatgtga cttgggaagc
                                                                  2943
tatgtgttac acagagtaaa tcaccagaag cctggatttc tgaaaaaact gtgcagagcc
                                                                  3003
aaacctctgt catttgcaac tcccacttgt atttgtacga ggcagttgga taagtgaaaa
                                                                  3063
3123
                                                                  3136
aaaaaaaaa aaa
```

<210> 2 <211> 317 <212> PRT

<213> Homo Sapiens

<400> 2 Met Val Asp Pro Asn Gly Asn Glu Ser Ser Ala Thr Tyr Phe Ile Leu 10 Ile Gly Leu Pro Gly Leu Glu Glu Ala Gln Phe Trp Leu Ala Phe Pro Leu Cys Ser Leu Tyr Leu Ile Ala Val Leu Gly Asn Leu Thr Ile Ile 40 Tyr Ile Val Arg Thr Glu His Ser Leu His Glu Pro Met Tyr Ile Phe 55 Leu Cys Met Leu Ser Gly Ile Asp Ile Leu Ile Ser Thr Ser Ser Met 75 70 Pro Lys Met Leu Ala Ile Phe Trp Phe Asn Ser Thr Thr Ile Gln Phe 90 85 Asp Ala Cys Leu Leu Gln Ile Phe Ala Ile His Ser Leu Ser Gly Met 100 105 110 Glu Ser Thr Val Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile 125 115 120 Cys His Pro Leu Arg His Ala Thr Val Leu Thr Leu Pro Arg Val Thr 130 135 Lys Ile Gly Val Ala Ala Val Val Arg Gly Ala Ala Leu Met Ala Pro 155 145 150 Leu Pro Val Phe Ile Lys Gln Leu Pro Phe Cys Arg Ser Asn Ile Leu 170 165 Ser His Ser Tyr Cys Leu His Gln Asp Val Met Lys Leu Ala Cys Asp 185 180 Asp Ile Arg Val Asn Val Val Tyr Gly Leu Ile Val Ile Ile Ser Ala 195 200 Ile Gly Leu Asp Ser Leu Leu Ile Ser Phe Ser Tyr Leu Leu Ile Leu 220 210 215 Lys Thr Val Leu Gly Leu Thr Arg Glu Ala Gln Ala Lys Ala Phe Gly 240 230 235 Thr Cys Val Ser His Val Cys Ala Val Phe Ile Phe Tyr Val Pro Phe

<400> 4

```
245
                               250
Ile Gly Leu Ser Met Val His Arg Phe Ser Lys Arg Arg Asp Ser Pro
      260 265 270
Leu Pro Val Ile Leu Ala Asn Ile Tyr Leu Leu Val Pro Pro Val Leu
                     280
Asn Pro Ile Val Tyr Gly Val Lys Thr Lys Glu Ile Arg Gln Arg Ile
                    295
Leu Arg Leu Phe His Val Ala Thr His Ala Ser Glu Pro
<210> 3
<211> 320
<212> PRT
<213> Rat Protein
<400> 3
Met Ser Ser Cys Asn Phe Thr His Ala Thr Phe Met Leu Ile Gly Ile
                               10
Pro Gly Leu Glu Glu Ala His Phe Trp Phe Gly Phe Pro Leu Leu Ser
                           25
Met Tyr Ala Val Ala Leu Phe Gly Asn Cys Ile Val Val Phe Ile Val
                       40
Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
                    55
                                      60
Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
                 70
                                   75
Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Thr Phe Asp Ala Cys
                               90
             85
Leu Ala Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr
                           105
                                            110
         100
Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro
   115 120
                                         125
Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Val Gln Ile Gly
                   135
                                     140
Met Val Ala Leu Val Arg Gly Ser Leu Phe Phe Phe Pro Leu Pro Leu
                150
                      155 160
Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
     165 170 175
Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Thr Asp Thr Leu
   180 185 190
Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
                200
 195
Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Ala Val
                    215
Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
                 230
                                   235
Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
                               250
              245
Leu Ser Val Val His Arg Phe Gly Asn Ser Leu Asp Pro Ile Val His
                            265
Val Leu Met Gly Asp Val Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro
                        280
Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala
                    295
                                     300
Met Phe Lys Ile Ser Cys Asp Lys Asp Ile Glu Ala Gly Gly Asn Thr
                 310 , 315
<210> 4
<211> 320
<212> PRT
<213> Homo Sapiens
```

<221> CDS -

```
Met Ser Ser Cys Asn Phe Thr His Ala Thr Cys Val Leu Ile Gly Ile
                                   10
Pro Gly Leu Glu Lys Ala His Phe Trp Val Gly Phe Pro Leu Leu Ser
                               25
           20
Met Tyr Val Val Ala Met Cys Gly Asn Cys Ile Val Val Phe Ile Val
                                               45
                          40
Arg Thr Glu Arg Ser Leu His Ala Pro Met Tyr Leu Phe Leu Cys Met
                      55
Leu Ala Ala Ile Asp Leu Ala Leu Ser Thr Ser Thr Met Pro Lys Ile
                                        75
                   70
Leu Ala Leu Phe Trp Phe Asp Ser Arg Glu Ile Ser Ile Glu Ala Cys
                                   90
                85
Leu Thr Gln Met Phe Phe Ile His Ala Leu Ser Ala Ile Glu Ser Thr
                                105
Ile Leu Leu Ala Met Ala Phe Asp Arg Tyr Val Ala Ile Cys His Pro
                                               125
                            120
Leu Arg His Ala Ala Val Leu Asn Asn Thr Val Thr Ala Gln Ile Gly
                                            140
                        135
    130
Ile Val Ala Val Val Arg Gly Ser Leu Phe Phe Pro Leu Pro Leu
                                       155
                    150
Leu Ile Lys Arg Leu Ala Phe Cys His Ser Asn Val Leu Ser His Ser
                                                        175
                                   170
                165
Tyr Cys Val His Gln Asp Val Met Lys Leu Ala Tyr Ala Asp Thr Leu
                                                   190
                               185
Pro Asn Val Val Tyr Gly Leu Thr Ala Ile Leu Leu Val Met Gly Val
                          200
                                                205
Asp Val Met Phe Ile Ser Leu Ser Tyr Phe Leu Ile Ile Arg Thr Val
                                            220
                       215
Leu Gln Leu Pro Ser Lys Ser Glu Arg Ala Lys Ala Phe Gly Thr Cys
                                        235
                    230
Val Ser His Ile Gly Val Val Leu Ala Phe Tyr Val Pro Leu Ile Gly
                                   250
                245
Leu Ser Val Val His Arg Phe Gly Asn Ser Leu His Pro Ile Val Arg
                                265
Val Val Met Gly Asp Ile Tyr Leu Leu Leu Pro Pro Val Ile Asn Pro
                            280
        275
Ile Ile Tyr Gly Ala Lys Thr Lys Gln Ile Arg Thr Arg Val Leu Ala
                        295
Met Phe Lys Ile Ser Cys Asp Lys Asp Leu Gln Ala Val Gly Gly Lys
                                        315
<210> 5
 <211> 427
 <212> DNA
 <213> Homo Sapiens
 <400> 5
                                                                        60
 gatcaaactt cttttccatt cagagtcctc tgattcagat tttaatgtta acattttgga
 agacagtatt cagaaaaaaa atttoottaa taaaaataca actcagatoo ttoaaatatg
                                                                       120
 aaactggttg gggaatctcc attttttcaa tattattttc ttctttgttt tcttgctacg
                                                                       180
 tataattatt aatatootga otaggttgtg gttggagggt tattactttt cattttacca
                                                                       240
                                                                       300
 tgcagtccaa atctaaactg cttctactga tggtttacag cattctgaga taagaatggt
 acatctagag aacatttgcc aaaggcctaa gcacagcaaa ggaaaataaa cacagaatat
                                                                       360
                                                                       420
 aataaaatga gataatctag cttaaaacta taacttcctc tttagaactc ccaaccacat
 ttggatc
 <210> 6
 <211> 501
 <212> DNA
 <213> Homo Sapiens
 <220>
```

48

96

144

192

240

288

336

384

432

480

501

 Ser Tyr Ile Phe Ile Leu Gln Ala Val Leu Gln Leu Ser Ser Gln Glu

 20
 25
 30

 Ala Arg Tyr Lys Ala Phe Gly Thr Cys Val Ser His Ile Gly Ala Ile
 35
 40

 Leu Ala Phe Tyr Thr Pro Ser Val Ile Ser Ser Val Met His Arg Val
 50
 55

 Ala Arg Cys Ala Val Pro His Val His Ile Leu Leu Ala Asn Phe Tyr

```
Leu Leu Phe Pro Pro Met Val Asn Pro Ile Ile Tyr Gly Val Lys Thr
             85
                                 90
Lys Gln Ile Arg Asp Ser Leu Gly Ser Ile Pro Glu Lys Gly Cys Val
                              105
Asn Arg Glu Gly Ile Ser Gly Lys Arg Val Gly Pro Ser Glu Cys Cys
                          120
Ser Gly Pro Gly Leu Cys Glu Met Gly Pro Arg Leu His Val Phe Phe
                                           140
                       135
Ser Cys Ile Met Lys Arg Ile Asn Asp Val Leu Lys Leu Arg Lys Lys
Lys Lys Lys
<210> 8
<211> 14
<212> PRT
<213> Homo Sapiens
<400> 8
Met Val Asp Pro Asn Gly Asn Glu Ser Ser Ala Thr Tyr Phe
<210> 9
<211> 13
<212> PRT
<213> Homo Sapiens
<400> 9
Val His Arg Phe Ser Lys Arg Arg Asp Ser Pro Leu Pro
<210> 10
<211> 4
<212> PRT
<213> Homo Sapiens
<400> 10
Asn Glu Ser Ser
<210> 11
<211> 4
<212> PRT
<213> Homo Sapiens
<400> 11
Asn Leu Thr Ile
 1
<210> 12
<211> 4
<212> PRT
<213> Homo Sapiens
<400> 12
Asn Ser Thr Thr
<210> 13
<211> 4
 <212> PRT
<213> Homo Sapiens
```

65

ı uğu

70

75

```
<400> 13
  Arg Arg Asp Ser
  <210> 14
  <211> 4
  <212> PRT
  <213> Homo Sapiens
  <400> 14
  Ser Leu His Glu
  <210> 15
  <211> 4
  <212> PRT
  <213> Homo Sapiens
  <400> 15
  Ser Gly Ile Asp
<210> 16
<211> 4
<212> PRT
<213> Homo Sapiens
<400> 16
Ser Gly Met Glu
<210> 17
<sub>ii</sub> <211> 6
| <212> PRT
<213> Homo Sapiens
<400> 17
Gly Asn Glu Ser Ser Ala
i afa
   <210> 18
   <211> 6
   <212> PRT
   <213> Homo Sapiens
   <400> 18
   Gly Leu Glu Glu Ala Gln
   <210> 19
   <211> 6
   <212> PRT
   <213> Homo Sapiens
   <400> 19
   Gly Met Glu Ser Thr Val
    1
   <210> 20
   <211> 6
    <212> PRT
    <213> Homo Sapiens
```

```
<400> 20
    Gly Thr Cys Val Ser His
     1
    <210> 21
    <211> 14
    <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Primer
   <400> 21
   ttttgatcaa gctt
                                                                            14
   <210> 22
   <211> 42
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Primer
<400> 22
ctaatacgac tcactatagg gctcgagcgg ccgcccgggc ag
                                                                            4\dot{2}
<210> 23
<211> 12
<212> DNA
<213> Artificial Sequence
<220>

<223> Primer
-400> 23
ggcccgtcct ag
                                                                           12
ı ızlı
<210> 24
<211> 40
<212> DNA
<= <213> Artificial Sequence
   <220>
   <223> Primer
   <400> 24
  gtaatacgac tcactatagg gcagcgtggt cgcggccgag
                                                                           40
   <210> 25
   <211> 10
   <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Primer
  <400> 25
  cggctcctag
                                                                           10
  <210> 26
  <211> 22
  <212> DNA
```

```
<213> Artificial Sequence
    <220>
    <223> Primer
    <400> 26
   ctaatacgac tcactatagg gc
                                                                          22
    <210> 27
    <211> 22
    <212> DNA
    <213> Artificial Sequence
   <220>
   <223> Primer
   <400> 27
   tcgagcggcc gcccgggcag ga
                                                                          22
   <210> 28
   <211> 20
   <212> DNA
   <213> Artificial Sequence
4220>
   <223> Primer
   <400> 28
   agcgtggtcg cggccgagga
                                                                          20
<210> 29
<211> 25
   <212> DNA
   <213> Artificial Sequence
<220>
<223> Primer
   <400> 29
   atatcgccgc gctcgtcgtc gacaa
                                                                          25
<210> 30
   <211> 26
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Primer
   <400> 30
   agccacacgc agctcattgt agaagg
                                                                         26
   <210> 31
   <211> 24
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> Primer
   <400> 31
   atcctgacta ggttgtggtt ggag
                                                                         24
```

```
<210> 32
    <211> 24
    <212> DNA
    <213> Artificial Sequence
   <220>
   <223> Primer
   <400> 32
   tgtggttggg agttctaaag agga
                                                                            24
   <210> 33
   <211> 24
   <212> DNA
   <213> Artificial Sequence
   <220>
   <223> FLAG tag
   <400> 33
   gattacaagg atgacgacga taag
                                                                           24
   <210> 34
   <211> 27
<212> DNA
   <213> Artificial Sequence
<220>
<400> 34
   ccgaattcca tcttctggtt caatttc
                                                                           27
<210> 35
<sub>::</sub> <211> 29
<212> DNA
<213> Artificial Sequence
__ <223> Primer
<400> 35
cctctcgagt tcacatggaa aagtcgaag
                                                                           29
   <211> 7
  <212> PRT
  <213> Homo Sapiens
  <400> 36
  Ser Leu His Glu Pro Met Tyr
  <210> 37
  <211> 7
  <212> PRT
  <213> Homo Sapiens
  <400> 37
  Ala Met Ala Phe Asp Arg Tyr
  <210> 38
```

```
<211> 7
   <212> PRT
   <213> Homo Sapiens
   <400> 38
  Tyr Val Ala Ile Cys His Pro
  <210> 39
  <211> 7
  <212> PRT
  <213> Homo Sapiens
  <400> 39
  Lys Ala Phe Gly Thr Cys Val
  <210> 40
  <211> 7
  <212> PRT
  <213> Homo Sapiens
  <400> 40
  Gly Val Lys Thr Lys Glu Ile
1
J<210> 41
[]<211> 21
4<212> DNA
<213> Artificial Sequence
<220>
<223> Primer
 <221> misc_feature
(223) n = A, T, C \text{ or } G
<400> 41
__agyctncays mnccnatgta y
                                                                       21
<210> 42
<211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G
 <400> 42
 tenetneays mncenatgta y
                                                                      21
 <210> 43
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer
```

```
<221> misc_feature
   <222> (1)...(21)
  <223> n = A,T,C or G
  <400> 43
  agyttrcays mnccnatgta y
                                                                            21
  <210> 44
  <211> 21
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Primer
  <221> misc_feature
  <222> (1) ... (21)
  <223> n = A,T,C or G
  <400> 44
  tenttreays mncenatgta y
                                                                           21
  <210> 45
<211> 21
<212> DNA

<213> Artificial Sequence
.≟<220>
<223> Primer
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G
<400> 45
gcnatggcnt tygaycgnta y
                                                                           21
<210> 46
<211> 21
<212> DNA
213> Artificial Sequence
 <220>
 <223> Primer
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G
 <400> 46
 gcnatggcnt tygayagrta y
                                                                          21
 <210> 47
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Primer
 <221> misc_feature
 <222> (1) ... (21)
```

```
<223> n = A,T,C \text{ or } G
  <400> 47
                                                                     21
  taygtngcna thtgycaycc n
  <210> 48
  <211> 21
  <212> DNA
  <213> Artificial Sequence
  <220>
  <223> Primer
  <221> misc_feature
  <222> (1)...(21)
  \langle 223 \rangle n = A,T,C or G
  <400> 48
                                                                     21
  nggrtgrcad atngcnacrt a
  <210> 49
  <211> 21
  <212> DNA
  <213> Artificial Sequence
<220>
| <223> Primer
<223> n = A,T,C or G
(fi
<400> 49
nacrcangtn ccraangcyt t
                                                                     21
<210> 50
<211> 21
<213> Artificial Sequence
<220>
<221> misc_feature
  <222> (1)...(21)
  <223> n = A,T,C or G
  <400> 50
                                                                      21
  datytsyttn gtyttnrcnc c
```